LB541

LB541 VESSEL FOR API PLAN 54 OF MECHANICAL SEAL





PRODUCT FEATURES

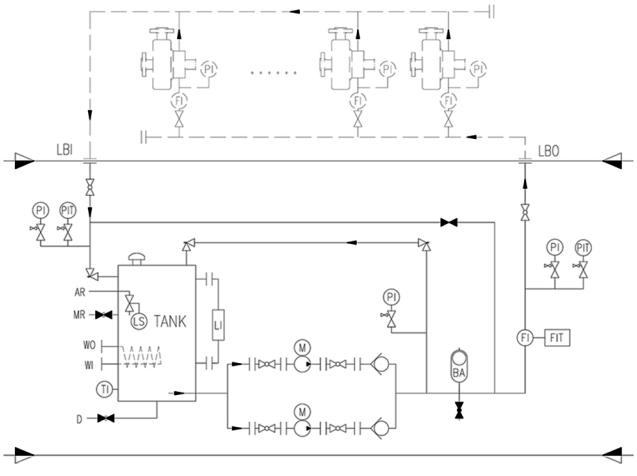
- The LB541 system can be used as a liquid circulation device to provide cooling isolation fluid for multiple independent sealing auxiliary systems.
- Allowing the water control system to operate under ideal operating parameters without considering differences in equipment operating pressure.
- The system can operate intermittently to reduce energy costs.
- Optional pressure switch and accumulator.
- Can better control water/oil circulation pressure.

APPLICABLE INDUSTRIES

- Arduous applications demanding pressurized barrier fluid
- Wide range of applications requiring high reliability across oil and gas, chemical and general Industry, and high-purity and organics
- Elevated pressure and heat dissipation requirements
- Mixer and agitators
- High abrasives content
- Slurries

PRODUCT APPLICATION

The LB541 system can operate in two completely different ways. It can be used as a traditional Plan54 system or as an automatic replenishment device for the EV series simple thermal siphon system. Suitable for various industry conditions where closed circuit water circulation/oil supply loop devices are unavailable or difficult to achieve.



SYSTEM PARAMETERS

Storage tank volume	180L, at normal pressure
Circulation pump	Rated 16 bar, maximum 20 bar
Barrier fluid	Water or oil
Optional configuration	According to the working conditions, other components can be provided, such as a backup circulation pump, an enlarged storage tank, etc.

SYSTEM MATERIALS

Cylinder housing	Carbon steel/304SS
Cylinder bladder	NBR
Liquid storage tank	304SS
Circulation pump	304SS
Piping components	304SS

ITEM	SERVICE
D	Tank Drain
LBI	Liquid Barrier In (From Seal)
LBO	Liquid Barrier Out (To Seal)
WI	Cooling Water Inlet
WO	Cooling Water Outlet
AR	Auto Mark-up liquid
MR	Mark-up liquid
TANK	Tank
BA	Accumulator
F	Duplex Filters
CV	Check Valve
LI	Level Gauge
PI	Pressure Gauge
TI	Temperature Gauge
FIT	Fluid Transmitter
FI	Fluid Meter
PIT	Pressure Transmitter

FBU SEALING TECHNOLOGY（SUZHOU）CO.,LTD

No.183, Yinhe Road, High Tech Industrial Development Zone Changshu Suzhou, Jiangsu, 215533

+86-512-57011188

sale@fbuseals.com

www.fbuseals.com

FBU is certified to API Q1, ISO 9001, ISO 14001